

not designed to support brick U.N.O. are Pool Jacker Sixteenths

Builders FIRSTSOURCE Jacksonville PHONE: 904-772-6100 FAX: 904-772-1973 MARIA AGUDELO Lake City PHONE: 386-755-6894 FAX: 386-755-7973 Tallahassee PHONE: 850-576-5177 Agudelo Res.

398132. 398132 KLH Sheet 2 Johnt N/A

### MiTek

Lymber design values are in accordance with ANSI/TPI 1 section 6.3 These truss designs rely on lumber values established by others.

RE: 3981321 - AGUDELO RES.

MiTek, Inc.

16023 Swingley Ridge Rd. Chesterfield, MO 63017

314.434.1200

Site Information:

Customer Info: AGUDELO RES. Project Name: Agudelo Res. Model: Custom Subdivision: N/A

Lot/Block: N/A

Address: 312 SW Hammock Hill Circle, N/A

City: Columbia Cty

State: FL

Name Address and License # of Structural Engineer of Record, If there is one, for the building.

Name:

License #:

Address:

City:

State:

General Truss Engineering Criteria & Design Loads (Individual Truss Design Drawings Show Special Loading Conditions):

Design Code: FBC2023/TPI2014

Design Program: MiTek 20/20 8.7

Wind Speed: 130 mph

Wind Code: ASCE 7-22 Roof Load: 37.0 psf

Floor Load: N/A psf

This package includes 26 individual, Truss Design Drawings and 0 Additional Drawings. With my seal affixed to this sheet, I hereby certify that I am the Truss Design Engineer and this index sheet conforms to 61G15-31.003, section 5 of the Florida Board of Professional Engineers Rules.

No.	Seal#	Truss Name	Date	No.	Seal#	Truss Name	Date
1	T33807349	CJ01 CJ01A	5/9/24 5/9/24	15 16	T33807363 T33807364	HJ10B T01	5/9/24 5/9/24
3	T33807350 T33807351	CJ01B	5/9/24	17	T33807365	T02 T03	5/9/24 5/9/24
234567	T33807352 T33807353	CJ03 CJ03A	5/9/24 5/9/24	18 19	T33807366 T33807367	T04	5/9/24
6	T33807354 T33807355	CJ03B CJ05	5/9/24 5/9/24	20 21	T33807368 T33807369	T05 T06	5/9/24 5/9/24
8	T33807356 T33807357	CJ05A CJ05B	5/9/24 5/9/24	21 22 23 24 25 26	T33807370 T33807371	T06G T07	5/9/24 5/9/24
	T33807358	EJ01	5/9/24 5/9/24	24	T33807372 T33807373	T08 T08G	5/9/24 5/9/24
11 12	T33807359 T33807360	EJ02 EJ03	5/9/24	26	T33807374	T09	5/9/24
10 11 12 13 14	T33807361 T33807362	HJ10 HJ10A	5/9/24 5/9/24				



This item has been digitally signed and sealed by ORegan, Philip, PE on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies

The truss drawing(s) referenced above have been prepared by MiTek USA, Inc. under my direct supervision based on the parameters provided by Builders FirstSource-Lake City, FL.

Truss Design Engineer's Name: ORegan, Philip

My license renewal date for the state of Florida is February 28, 2025.

IMPORTANT NOTE: The seal on these truss component designs is a certification that the engineer named is licensed in the jurisdiction(s) identified and that the designs comply with ANSI/TPI 1. These designs are based upon parameters shown (e.g., loads, supports, dimensions, shapes and design codes), which were given to MiTek or TRENCO. Any project specific information included is for MiTek's or TRENCO's customers file reference purpose only, and was not taken into account in the preparation of these designs. MiTek or TRENCO has not independently verified the applicability of the design parameters or the designs for any particular building. Before use, the building designer should verify applicability of design parameters and properly incorporate these designs into the overall building design per ANSI/TPI 1, Chapter 2.



MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

May 9,2024

ORegan, Philip

1 of 1

Qty AGUDELO RES Truss Type Truss Job T338073 5 1 CJ01 Jack-Open 3981321 Job Reference (optional) 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:07:53 2024 Page 1 ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-MQfJ08ZPZ2KjdbgsBjFMbM5\_LR?I8\_TgHSKUA\_zIYm4 Lake City, FL - 32055, Builders FirstSource (Lake City,FL), 1-6-0 Scale = 1 2x4 II 6.00 12 2 0-10-10 а а ϰ Δ° 2x4 || 1-0-0 **PLATES** DEFL. (loc) I/defl L/d CSL 2-0-0 SPACING-LOADING (psf) 244/190 MT20 0.00 5 >999 240 Vert(LL) 0.21 TC Plate Grip DOL 1.25 20.0 TCLL 180 BC 0.04 Vert(CT) 0.00 5 >999 Lumber DOL 1.25 7.0 TCDL Horz(CT) -0.00 3 n/a n/a WB 0.00 0.0 Rep Stress Incr YES BCLL Weight: 6 lb FT = 20%Code FBC2023/TPI2014 Matrix-MR 10.0 BCDL BRACING-TOP CHORD Structural wood sheathing directly applied or 1-0-0 oc purlins,

except end verticals.

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD 2x4 SP No.3 WEBS

(size) 5=0-8-0, 3=Mechanical, 4=Mechanical Max Horz 5=38(LC 9)

Max Uplift 5=-69(LC 12), 3=-43(LC 1), 4=-13(LC 1) Max Grav 5=207(LC 1), 3=17(LC 8), 4=11(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific

to the use of this truss component.

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

\* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 3, 4.

This item has been digitally signed and sealed by ORegan, Philip on the date indicated here Printed copies of this document are not conside signed and sealed and th signature must be verified on any electronic copies.

Philip J. O'Regan PE No. SS126 MITek Inc. DBA MITek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

May 9,2024

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

WARNING - Verify design parameters and HEAD NOTES ON THIS AND INCLUDED MITER REPERFICE PAGE AND INCLUDED MITER APPRICATION.

Design valid for use only with MITER® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing building design. Bracing indicated is to prevent collapse with possible personal injury and property damage. For general guidance regarding the is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Qty AGUDELO RES Truss Truss Type Job T338073 CJ01A Jack-Open 3981321 Job Reference (optional) 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:07:54 2024 Page 1 ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-qcDhDUa2KMSaFkF2lRnb8adCyrLrtRjpW641iQzIYm3 Builders FirstSource (Lake City,FL), Lake City, FL - 32055, Scale = 1: 6.00 12 2x4 || 1-4-10 0-10-10 Δ° а Δ° а 2x4 || PLATES L/d CSI. DEFL (loc) Vdefl. SPACING-2-0-0 LOADING (psf) 244/190 MT20 0.03 Vert(LL) 0.00 >999 240 1.25 TC Plate Grip DOL TCLL 20.0

LUMBER-

TCDL

BCLL

BCDL

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 2x4 SP No.3

7.0

0.0

10.0

BRACING-

Vert(CT)

Horz(CT)

TOP CHORD **BOT CHORD** 

-0.00

-0.00

Structural wood sheathing directly applied or 1-0-0 oc purlins,

Weight: 4 lb

FT = 20%

>999

n/a

2

Rigid ceiling directly applied or 10-0-0 oc bracing.

180

n/a

REACTIONS.

4=0-8-0, 2=Mechanical, 3=Mechanical (size)

Code FBC2023/TPI2014

Max Horz 4=16(LC 12)

Max Uplift 2=-22(LC 12), 3=-5(LC 12)

Lumber DOL

Rep Stress Incr

Max Grav 4=31(LC 1), 2=22(LC 1), 3=16(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

BC

WB

Matrix-MR

0.02

0.00

- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

1.25

YES

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 3.

This item has been digitally signed and sealed by ORegan, Philip, on the date indicated here Printed copies of this document are not conside signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No.58126 MTek Inc. DBA MTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chestorfield, MO 63017 Date:

May 9,2024



MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

WARNING - Verity design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 172/2023 BEFORE USE.

Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guildingce regarding the isalways required for stability and to prevent collapse with possible personal injury and property damage. For general guildingce regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



AGUDELO RES. Qty Ply Truss Type Truss Job T3380735 2 JACK C.101B 3981321 Job Reference (optional) 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:07:54 2024 Page 1 Lake City, FL - 32055, Builders FirstSource (Lake City,FL), ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-qcDhDUa2KMSaFkF2lRnb8adBlrLltRjpW641iQzlYm3 1-0-0 Scale = 1: 3 2.50 12 2 0-7-14 0-4-2 4 3x4 = GRIP L/d PLATES I/defl DEFL. in (loc) CSI. 2-0-0 SPACING-LOADING (psf) 244/190 MT20 5 >999 240 -0.00 Plate Grip DOL TC 0.07 Vert(LL) 1.25 20.0 TCLL 5 >999 180 -0.00 BC 0.02 Vert(CT) 1.25 TCDL 7.0 Lumber DOL 2 0.00 n/a Horz(CT) YES WB 0.00 0.0 Rep Stress Incr BCLL FT = 20% Weight: 6 lb Code FBC2023/TPI2014 Matrix-MP BCDL 10.0 BRACING-Structural wood sheathing directly applied or 1-6-0 oc purlins. TOP CHORD

**BOT CHORD** 

LUMBER-

2x4 SP No.2 TOP CHORD **BOT CHORD** 2x4 SP No.2

REACTIONS.

4=Mechanical, 2=0-3-8 (size)

Max Horz 2=22(LC 8)

Max Uplift 4=-23(LC 9), 2=-88(LC 8)

Max Grav 4=38(LC 1), 2=127(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl. GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; cantilever left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2.

This item has been digitally signed and sealed by ORegan, Philip on the date indicated here Printed copies of this document are not conside signed and sealed and th signature must be verified on any electronic copies.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Philip J. O'Regan PE No.58116 MTek Inc. DBA MTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

May 9,2024

A WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITER REFERENCE PAGE MIL-7475 (ev. 1727/023 BEPORE USE.)

Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing building design. Bracing indicated is to prevent collapse with possible personal injury and property damage. For general guidance regarding the is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Qty Ply AGUDELO RES Truss Type Truss Job T3380735 5 Jack-Open 3981321 C.103 Job Reference (optional) 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:07:55 2024 Page 1 Lake City, FL - 32055, Builders FirstSource (Lake City,FL), ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-lon4Rqag5gaRtuqEl8lqgnALPFgOcuzzImpbEtzIYm2 Scale = 1:1 6.00 12 5x6 = 3 0-10-10 Δ. 5 Š. V. Å 3x8 II [2:0-2-0,0-0-2] Plate Offsets (X,Y)--PLATES GRIP I/defl L/d DEFL. (loc) CSI. 2-0-0 LOADING (psf) SPACING-244/190 MT20 TC 0.18 Vert(LL) -0.00 10 >999 240 1.25 20.0 Plate Grip DOL TCLL 180 Vert(CT) -0.00 5-10 >999 1.25 BC 0.12 TCDL 7.0 Lumber DOL YES WB 0.00 Horz(CT) 0.00 n/a n/a Rep Stress Incr BCLL 0.0 FT = 20% Weight: 18 lb Matrix-MP Code FBC2023/TPI2014

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

BCDL

2x4 SP No.2 TOP CHORD

10.0

2x4 SP No.2 BOT CHORD

Left 2x8 SP 2400F 2.0E 1-11-8 SLIDER

REACTIONS. (size) 4=Mechanical, 2=0-8-0, 5=Mechanical

Max Horz 2=82(LC 12)

Max Uplift 4=-44(LC 12), 2=-62(LC 12), 5=-2(LC 12) Max Grav 4=41(LC 1), 2=237(LC 1), 5=41(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 2-11-4 zone; end vertical left exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.

This item has been digitally signed and sealed by ORegan, Philip, on the date indicated here Printed copies of this document are not conside signed and sealed and the signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 3-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Philip J. O'Regan PE No.58126 MITek Inc. DBA MITek USA FL Cert 6634 16023 Swingloy Ridge Rd. Chesterfield, MO 63017

May 9,2024

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job		Truss	Truss Typ	е	Qty	Ply	AGUDE	LO RES.		T3380735
3981321		CJ03A	Jack-Ope	1	1	1	Job Refe	erence (optional)		
Builders Firs	stSource (Lake C	ity,FL), Lake City, F	L - 32055,		ID:V2 070	3.730 s Apr	25 2024 N	MiTek Industries, Inc. u90w-lon4Rqag5gaR	Wed May 8 13:	07:55 2024 Page 1
				3-0-0	1D.12_02pt	JOASCHODA	——————————————————————————————————————	doon loll liqugugus		
				3-0-0						
										Scale = 1:14
						2	$\sqrt{N}$			
				6.00 12			X			
							$\mathcal{A}$			
				8						
			01-7-2x4	11						
			2-4	1///						
			Ĭ							
			0-10-10	141			$\square$			
			1 =	H-H			X			
							/\			
			8.3	Δ· Δ·		3	3			
				Δ Δ·						
				4						
			3	2x4						
				3-0-0			20			
				3-0-0						
7///2020/2020		001000	0.00	CSI. DE	FL.	in (loc)	l/defl	L/d	PLATES	GRIP
LOADING TCLL	(psf) 20.0	SPACING- Plate Grip DOL	2-0-0 1.25		t(LL) -0.	00 3-4	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25		t(CT) -0.			180 n/a		
BCLL	0.0	Rep Stress Incr Code FBC2023/TP	YES 2014	WB 0.00 Ho Matrix-MR	rz(CT) -0.	01 2	n/a	ri/a	Weight: 10 lb	FT = 20%
BCDL	10.0	COUR FDC2023/1F	2014							
				BRA	CING-					

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD

2x4 SP No.3 WEBS

TOP CHORD

Structural wood sheathing directly applied or 3-0-0 oc purlins,

except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing. **BOT CHORD** 

REACTIONS.

(size) 4=0-8-0, 2=Mechanical, 3=Mechanical

Max Horz 4=54(LC 12)

Max Uplift 4=-8(LC 12), 2=-56(LC 12), 3=-4(LC 12) Max Grav 4=103(LC 1), 2=70(LC 1), 3=53(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 3.

This item has been digitally signed and sealed by ORegan, Philip, on the date indicated here Printed copies of this document are not conside signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regau PE No.58126 MITek Isc. DBA MITek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

May 9,2024

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

WARNING - Verify design parameters and READ NOTES ON This AND INCLUDED MITER NET CHARGE MINITED IN 1888 CONTROL OF THE NET CHARGE MINITED IN 1888 CONTROL OF



Qty Ply AGUDELO RES Truss Type Truss T3380735 Job 2 Jack-Open CJ03B 3981321 Job Reference (optional) 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:07:56 2024 Page 1 ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-m?LSeAbIrzilU2PRssp3D?jWof0MLLD6zQZ8mJzIYm1 Lake City, FL - 32055, Builders FirstSource (Lake City,FL), Scale = 1: 8 2.50 12 0-11-10 0-7-12 0-4-2 4 9 3x4 = PLATES GRIP DEFL. I/defl L/d 2-0-0 CSL SPACING-LOADING (psf) 244/190 MT20 0.01 >999 240 Vert(LL) Plate Grip DOL 0.07 1.25 TC 20.0 TCLL 180 0.08 Vert(CT) -0.01 >999 BC Lumber DOL 1.25 TCDL 7.0 Horz(CT) 0.00 2 n/a n/a WB 0.00 Rep Stress Incr YES 0.0 BCLL Weight: 11 lb FT = 20%Matrix-MP Code FBC2023/TPI2014 10.0 BCDL

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD

BRACING-

TOP CHORD BOT CHORD

Structural wood sheathing directly applied or 3-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

3=Mechanical, 4=Mechanical, 2=0-3-8 (size)

Max Horz 2=34(LC 8)

Max Uplift 3=-36(LC 8), 4=-22(LC 8), 2=-110(LC 8) Max Grav 3=61(LC 1), 4=47(LC 3), 2=172(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-0-0 to 2-0-0, Zone1 2-0-0 to 2-11-4 zone; cantilever left exposed ; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=110.

This item has been digitally signed and sealed by ORegan, Philip on the date indicated here Printed copies of this document are not conside signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No.58126 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd, Chesterfield, MO 63017 Date:

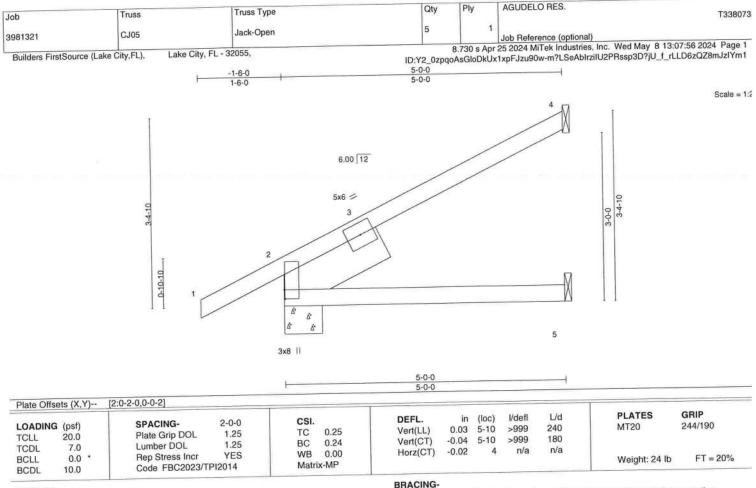
May 9,2024

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MILEX REFERENCE PAGE MILITARS 18V. INZULAS BEFORE USE.

Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building designer. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing building design. Bracing indicated is to prevent collapse with possible personal injury and property damage. For general guidance regarding the is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)





TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2

2x4 SP No.2 BOT CHORD

Left 2x8 SP 2400F 2.0E 1-11-8 SLIDER

REACTIONS.

4=Mechanical, 2=0-8-0, 5=Mechanical

Max Horz 2=120(LC 12)

Max Uplift 4=-79(LC 12), 2=-71(LC 12), 5=-6(LC 12) Max Grav 4=100(LC 1), 2=296(LC 1), 5=80(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 4-11-4 zone; end vertical left exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 5.

This item has been digitally signed and sealed by ORegan, Philip on the date indicated her Printed copies of this document are not consid signed and sealed and th signature must be verifie on any electronic copies.

Structural wood sheathing directly applied or 5-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing

Philip J. O'Regan PE No.58126 MITek Inc. DBA MITek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

May 9,2024

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE

WARNING - Verify design parameters and REAU NOTES ON THIS AND INCLUDED MITER REPERCE PAGE MIT-747 rev. 172/2023 BEFORE USE.

Design valid for use only with MITek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Qty Ply AGUDELO RES Truss Type Truss Job T338073 Jack-Open CJ05A 3981321 Job Reference (optional) 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:07:57 2024 Page 1 ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-FBuqsWcwcHr96CzdQZKImCFdi3Jh4oSGC3lhJlzIYm0 Lake City, FL - 32055, Builders FirstSource (Lake City,FL), Scale = 1:1 6.00 12 3-4-10 0-10-10 3x4 = **PLATES** DEFL I/defl L/d CSI. SPACING-2-0-0 LOADING (psf) 244/190 MT20 Vert(LL) 0.03 3-4 >999 240 TC 0.38 20.0 Plate Grip DOL 1.25 TCLL 180 BC 0.26 Vert(CT) -0.053-4 >999 Lumber DOL 1.25 7.0 TCDL Horz(CT) -0.032 n/a n/a WB 0.00 YES BCLL 0.0 Rep Stress Incr Weight: 17 lb FT = 20% Code FBC2023/TPI2014 Matrix-MR BCDL 10.0

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2 BOT CHORD 2x4 SP No.3 WFBS

BRACING-

TOP CHORD

Structural wood sheathing directly applied or 5-0-0 oc purlins,

except end verticals

Rigid ceiling directly applied or 10-0-0 oc bracing. BOT CHORD

REACTIONS.

(size) 4=0-8-0, 2=Mechanical, 3=Mechanical

Max Horz 4=93(LC 12)

Max Uplift 4=-22(LC 12), 2=-90(LC 12), 3=-4(LC 12) Max Grav 4=177(LC 1), 2=120(LC 1), 3=90(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-1-12, Zone1 3-1-12 to 4-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4, 2, 3.

This item has been digitally signed and sealed by ORegan, Philip on the date indicated here Printed copies of this document are not conside signed and sealed and th signature must be verified on any electronic copies.

Philip J. O'Regan PE No.58126 MITek Inc. DBA MITek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

May 9,2024

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MTRek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the isalways required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Ply AGUDELO RES. Qty Truss Type T338073 Job 2 Jack-Open Job Reference (optional)

8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:07:57 2024 Page 1
ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-FBuqsWcwcHr96CzdQZKImCFeS3Kv4oSGC3lhJlzlYm0 CJ05B 3981321 Lake City, FL - 32055, Builders FirstSource (Lake City,FL). Scale = 1:1 2.50 12 1-4-10 1-0-12 8 0-4-2 11 3x4 = 3x4 = Plate Offsets (X,Y)--[2:0-1-5,Edge] PLATES GRIP l/defl Ľd DEFL (loc) 2-0-0 CSI SPACING-LOADING (psf) 244/190 MT20 Vert(LL) 0.05 4-7 >999 240 1.25 TC 0.27 Plate Grip DOL TCLL 20.0 -0.06 4-7 >999 180 Vert(CT) BC Lumber DOL 1.25 0.25 TCDL 7.0 Horz(CT) 0.00 2 n/a n/a WR 0.00 YES Rep Stress Incr BCLL 0.0 FT = 20% Weight: 17 lb Matrix-MP Code FBC2023/TPI2014

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

BCDL

2x4 SP No.2 TOP CHORD BOT CHORD 2x4 SP No.2

10.0

REACTIONS.

(size) 3=Mechanical, 4=Mechanical, 2=0-3-8

Max Horz 2=50(LC 8)

Max Uplift 3=-66(LC 8), 4=-39(LC 8), 2=-148(LC 8) Max Grav 3=113(LC 1), 4=85(LC 3), 2=242(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-0-0 to 2-0-0, Zone1 2-0-0 to 4-11-4 zone; cantilever left exposed porch left and right exposed;C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=148.

This item has been digitally signed and sealed by ORegan, Philip on the date indicated here Printed copies of this document are not conside signed and sealed and th signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 5-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Philip J. O'Regan PE No.58126 MTek Inc. DBA MTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

May 9,2024

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

WARNING - Verity design parameters and READ NOTES ON THIS AND INCLUDED MITER REPERCE PAGE MILITARS 18V. 1702/023 BEFORE USE.

Design valid for use only with MITER® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and property incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing building design. Bracing indicated is to prevent collapse with possible personal injury and property damage. For general guidance regarding the is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Qtv Ply AGUDELO RES Truss Type Truss T3380735 Job 9 EJ01 Jack-Partial 3981321 Job Reference (optional) 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:07:58 2024 Page 1 ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-jNSC3sdYNbz0kMYp\_HrXIQorfSeUpEgPRj2FrBzIYm? Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 7-0-0 3-6-0 Scale = 1:2 6.00 12 4-4-10 1-4-10 0-0-1 5x6 < 0-10-10 8 3x4 = 3x10 || 7-0-0 [2:0-3-8,Edge] Plate Offsets (X,Y)--GRIP PLATES I/defl L/d DEFL CSI. SPACING-2-0-0 LOADING (psf) 244/190 MT20 240 0.17 Vert(LL) -0.05 7-12 >999 Plate Grip DOL 1.25 TC 20.0 TCLL 180 Vert(CT) -0.107-12 >817 BC 0.35 7.0 Lumber DOL 1.25 TCDL WB 0.07 Horz(CT) 0.01 5 n/a n/a Rep Stress Incr YES 0.0 BCLL Weight: 37 lb FT = 20%Code FBC2023/TPI2014 Matrix-MS BCDL 10.0 BRACING-Structural wood sheathing directly applied or 6-0-0 oc purlins.

TOP CHORD

BOT CHORD

Rigid ceiling directly applied or 10-0-0 oc bracing.

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2 **BOT CHORD** 

2x4 SP No.3 WEBS

Left 2x8 SP 2400F 2.0E 1-11-8 SLIDER

REACTIONS.

(size) 5=Mechanical, 2=0-8-0, 6=Mechanical

Max Horz 2=153(LC 12)

Max Uplift 5=-48(LC 12), 2=-86(LC 12), 6=-60(LC 12) Max Grav 5=82(LC 1), 2=364(LC 1), 6=161(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 6-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5, 2, 6.

This item has been digitally signed and sealed by ORegan, Philip on the date indicated here Printed copies of this document are not conside signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No.58126 MTek Inc. DBA MITek USA FL Cert 6634 16023 Swingfey Ridge Rd. Chesterfield, MO 63017 Date:

May 9,2024

MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEX REFERENCE PAGE MIT-7475 Nov. 17072023 BEFORE USE.

Design valid for use only with MITEK® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing building design. Bracing indicated is to prevent collapse with possible personal injury and property damage. For general guidance regarding the is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the labrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



AGUDELO RES. Qty Truss Type Truss T3380735 Job Jack-Partial EJ02 3981321 Job Reference (optional) 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:07:58 2024 Page 1 Lake City, FL - 32055, Builders FirstSource (Lake City,FL), ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-jNSC3sdYNbz0kMYp\_HrXlQonEScOpEZPRj2FrBzIYm? Scale = 1:25 6.00 12 4x6 = 4-4-10 0-0-1 2x4 11 0-10-10 5 3x4 = 3x6 = PLATES I/defl L/d DEFL. in (loc) 2-0-0 SPACING-LOADING (psf) 244/190 >894 240 MT20 Vert(LL) -0.09 5-6 Plate Grip DOL 1.25 TC 0.39 20.0 TCLL -0.19 5-6 >439 180 Vert(CT) BC 0.49 1.25 Lumber DOL TCDL 7.0 n/a 0.07 Horz(CT) 0.00 n/a YES WB Rep Stress Incr 0.0 FT = 20%BCLL Weight: 34 lb Code FBC2023/TPI2014 Matrix-MS BCDL 10.0 BRACING-LUMBER-Structural wood sheathing directly applied or 6-0-0 oc purlins, TOP CHORD

BOT CHORD

except end verticals.

Rigid ceiling directly applied or 10-0-0 oc bracing.

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

2x4 SP No.3 WEBS

(size) 3=Mechanical, 4=Mechanical, 6=0-8-0

Max Horz 6=126(LC 12)

Max Uplift 3=-44(LC 12), 4=-70(LC 12), 6=-39(LC 12) Max Grav 3=77(LC 1), 4=174(LC 1), 6=251(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

REACTIONS.

1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 0-1-12 to 3-4-13, Zone1 3-4-13 to 6-11-4 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

\* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

5) Refer to girder(s) for truss to truss connections.

6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4, 6.

This item has been digitally signed and sealed by ORegan, Philip on the date indicated here Printed copies of this document are not conside signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE. No.58126 MTek Inc. DBA MTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

May 9,2024

WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

WARNING - Verity design parameters and HEAD NOTES ON THIS AND INCLUDED MITER REFERENCE PASE MIL-7475 (ev. 1727-2023 BEFORE USE.)

Design valid for use only with MITER® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing building design. Bracing indicated is to prevent collapse with possible personal injury and property damage. For general guidance regarding the is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITPH Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job Truss AGUDELO RES Truss Type Qty Ply T33807360 3981321 **EJ03** Jack-Open 5 Job Reference (optional) Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:07:59 2024 Page 1 ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-Ba0aHBdA8u5sLW7?X\_MmrdLwEsyeYiyYgNnoNezIYm\_

Scale = 1:15.

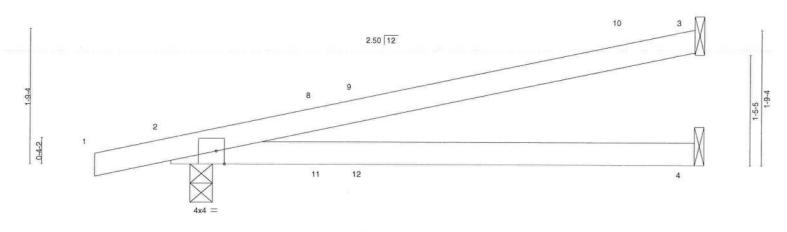


Plate Off	sets (X,Y)	0-3-0 <sup>1</sup> [2:0-1-4,Edge]				6-7-(	)					7.1
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.57	Vert(LL)	0.18	4-7	>457	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.49	Vert(CT)	-0.20	4-7	>397	180	1500/4.3508	
BCLL	0.0	Rep Stress Incr	YES	WB	0.00	Horz(CT)	0.00	2	n/a	n/a		
BCDL	10.0	Code FBC2023/T	PI2014	Matri	x-MP						Weight: 22 lb	FT = 20%

6-10-0

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2

(size) 3=Mechanical, 4=Mechanical, 2=0-3-8

0-3-0,

Max Horz 2=65(LC 8)

Max Uplift 3=-94(LC 8), 4=-53(LC 8), 2=-184(LC 8) Max Grav 3=159(LC 1), 4=119(LC 3), 2=309(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-0-0 to 2-0-0, Zone1 2-0-0 to 6-9-4 zone; cantilever left exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 3, 4 except (jt=lb) 2=184.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Philip J. O'Regan PE No.58126 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

May 9,2024

🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job Truss Truss Type Qty Ply AGUDELO RES. T33807361 3981321 **HJ10** Diagonal Hip Girder 2 Job Reference (optional) Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:07:59 2024 Page 1 ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-Ba0aHBdA8u5sLW7?X\_MmrdLwts\_XYfFYgNnoNezIYm\_ 9-10-1 5-4-1 Scale = 1:25. 15 4.24 12 3x4 = 4x4 = 3 0-10-10 6 17 18 8 4x4 = 2x4 || 4x8 || 4-6-0 Plate Offsets (X,Y)--[2:0-3-12,0-0-4] LOADING (psf) SPACING-2-0-0 CSI DEFL. (loc) I/defl L/d PLATES GRIP TCIL 20.0 Plate Grip DOL 1.25 TC 0.53 Vert(LL) 0.03 7-8 >999 240 MT20 244/190 TCDL 7.0 Lumber DOL 1.25 BC 0.37 Vert(CT) -0.05 7-8 180 >999 BCLL 0.0 Rep Stress Incr NO WB 0.24 Horz(CT) -0.01 5 n/a n/a BCDL Code FBC2023/TPI2014 10.0 Matrix-MS Weight: 57 lb FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x6 SP No.2 WEBS 2x4 SP No.3

SLIDER Left 2x6 SP No.2 1-11-8

REACTIONS.

(size) 5=Mechanical, 2=0-10-15, 6=Mechanical

Max Horz 2=167(LC 4)

Max Uplift 5=-93(LC 4), 2=-214(LC 4), 6=-106(LC 8) Max Grav 5=142(LC 1), 2=485(LC 1), 6=253(LC 3)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-4=-401/201

BOT CHORD 2-8=-248/402, 7-8=-248/402

WEBS 4-7=-439/271

### NOTES-

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 5 except (jt=lb) 2=214, 6=106.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 68 lb down and 119 lb up at 1-6-1, 68 lb down and 119 lb up at 1-6-1, 20 lb down and 46 lb up at 4-4-0, and 42 lb down and 87 lb up at 7-1-15, and 42 lb down and 87 lb up at 7-1-15, and 42 lb down and 87 lb up at 7-1-15 lb down and 41 lb up at 1-6-1, 16 lb down and 81 lb up at 1-6-1, 16 lb down and 8 lb up at 7-1-15, and 36 lb down and 20 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

### LOAD CASE(S) Standard

 Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-5=-54, 6-9=-20

Vert: 8=0(F=0, B=0) 3=61(F=31, B=31) 15=-48(F=-24, B=-24) 18=-44(F=-22, B=-22)

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Philip J. O'Regan PE No. S8126 MITek Inc. DBA MiTek USA FL Cert 6634 16923 Swingley Ridge Rd. Chesterfield, MO 63017

May 9,2024

🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/ITPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job Truss Truss Type Qty AGUDELO RES Ply T3380736 3981321 HJ10A DIAGONAL HIP GIRDER Job Reference (optional) Builders FirstSource (Lake City,FL), Lake City, FL - 32055, 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:08:00 2024 Page 1 ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-fmazUXeovCDjzfiCSit?Nrt5vGKdH5Ziu1XMu4zIYIz 9-10-1 Scale = 1:25 4.24 12 3x4 = 4x4 = 0-10-10 6 16 17 6 7 4x4 = 2x4 || 4x6 || Plate Offsets (X,Y)--[1:0-2-12,0-0-8] LOADING (psf) SPACING-2-0-0 DEFL **PLATES** (loc) I/defl GRIP L/d TCIL 20.0 Plate Grip DOL 1.25 TC 0.57 Vert(LL) 0.03 6-7 >999 240 244/190 MT20 TCDI 7.0 Lumber DOL 1.25 BC 0.31 -0.05 Vert(CT) 6-7 >999 180 BCLL 0.0 Rep Stress Incr NO WB 0.30 Horz(CT) -0.01 n/a Code FBC2023/TPI2014 BCDL 10.0 Matrix-MS Weight: 53 lb FT = 20% LUMBER-BRACING-

TOP CHORD

BOT CHORD

TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP No.2

WEBS 2x4 SP No.3 SLIDER Left 2x6 SP No.2 1-11-8

REACTIONS.

(size) 1=0-10-15, 4=Mechanical, 5=Mechanical

Max Horz 1=128(LC 25)

Max Uplift 1=-139(LC 4), 4=-96(LC 4), 5=-127(LC 4) Max Grav 1=390(LC 1), 4=148(LC 1), 5=279(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 1-3=-504/230

BOT CHORD 1-7=-307/504, 6-7=-307/504

WEBS 3-6=-551/335

### NOTES-

- 1) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; end vertical left exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 2) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (|t=|b|) 1=139, 5=127.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 11 lb down and 25 lb up at 1-6-1, 68 lb down and 119 lb up at 1-6-1, 26 lb down and 61 lb up at 4-4-0, 20 lb down and 46 lb up at 4-4-0, and 46 lb down and 101 lb up at 7-1-15, and 42 lb down and 87 lb up at 7-1-15 on top chord, and 1 lb down and 8 lb up at 1-6-1, 8 lb down and 41 lb up at 1-6-1, 19 lb down and 13 lb up at 4-4-0, 16 lb down and 8 lb up at 4-4-0, and 39 lb down and 19 lb up at 7-1-15, and 36 lb down and 20 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

### LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-4=-54, 5-8=-20

Vert: 7=-5(F=0, B=-5) 3=-0(B) 2=31(F) 14=-67(F=-24, B=-44) 16=-1(B) 17=-51(F=-22, B=-29)

This item has been digitally signed and sealed by ORegan, Philip, Pt on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Philip J. O'Regan PE No. S\$126 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

May 9,2024



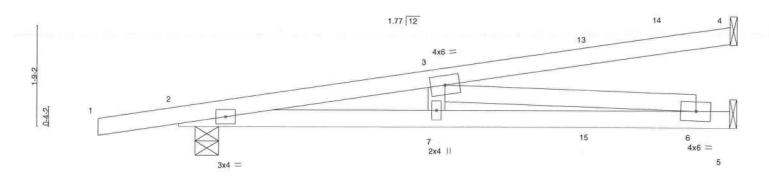
🚲 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/I/TP1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



| Diagonal Hip Girder | 1 | 1 | Diagonal Hip Girder | 1 | 1 | Diagonal Hip Girder | 1 | Diagonal

Scale = 1:20.



	0-3-8 0-3-8		4-6-0 4-2-8						9-6-7 5-0-7		9-7-3 0-0-12
LOADING (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC	0.64	Vert(LL)	0.16	6-7	>717	240	MT20	244/190
TCDL 7.0	Lumber DOL	1.25	BC	0.91	Vert(CT)	-0.20	6-7	>573	180		
BCLL 0.0 ·	Rep Stress Incr	NO	WB	0.68	Horz(CT)	0.02	5	n/a	n/a		
BCDL 10.0	Code FBC2023/TF	PI2014	Matri	x-MS	SALESTAL TO SEE A				30.85	Weight: 38 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3

REACTIONS. (si

(size) 4=Mechanical, 5=Mechanical, 2=0-4-15

Max Horz 2=63(LC 4)

Max Uplift 4=-86(LC 4), 5=-174(LC 4), 2=-313(LC 4) Max Grav 4=162(LC 1), 5=297(LC 1), 2=530(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-1545/883

BOT CHORD 2-7=-909/1521, 6-7=-915/1530

WEBS 3-6=-1549/926

### NOTES-

- Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 3) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 4) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 5) Refer to girder(s) for truss to truss connections.
- Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 4 except (jt=lb) 5=174, 2=313.
- 7) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 24 lb down and 43 lb up at 4-4-0, 24 lb down and 43 lb up at 4-4-0, and 44 lb down and 78 lb up at 7-1-15 on top chord, and 17 lb down and 31 lb up at 1-6-1, 17 lb down and 31 lb up at 1-6-1, 20 lb down and 33 lb up at 4-4-0, 20 lb down and 33 lb up at 4-4-0, and 40 lb down and 55 lb up at 7-1-15, and 40 lb down and 55 lb up at 7-1-15 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 8) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

Uniform Loads (plf)

Vert: 1-4=-54, 5-8=-20

Concentrated Loads (lb)

Vert: 3=-4(F=-2, B=-2) 7=-25(F=-12, B=-12) 12=-34(F=-17, B=-17) 13=-73(F=-36, B=-36) 15=-73(F=-36, B=-36)

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 4-8-1 oc purlins.

Rigid ceiling directly applied or 5-8-2 oc bracing.

Philip J. O'Regán PE No.58126 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

May 9,2024

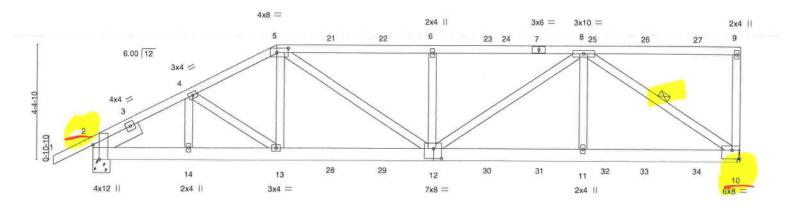
MARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the labrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss T	уре	Qty	Ply	AGUDELO RES.	
3981321	T01	Half Hip	Girder	1	1		T3380736
Builders FirstSource	ce (Lake City,FL),	Lake City, FL - 32055,			8.730 s Apr	Job Reference (optional) 25 2024 MiTek Industries, Inc. Wed May 8 13:08:	02 2024 Page 1
, -1-6-0	3-7-12	7-0-0	12-11-4			x1xpFJzu90w-b9ijvDg3RpTRDzsaD6wTTGzOU4se	
1-6-0	3-7-12	3-4-4	5-11-4		5-9-8	2.00	

Scale = 1:44.



	1	3-7-12	7-0-0	12	-11-4	N.		18-8-1	2	7	24-8-0	
		3-7-12	3-4-4	5-	11-4			5-9-8			5-11-4	
Plate Offse	ets (X,Y)	[2:0-6-12,Edge], [5:0-5-4	,0-2-0], [10:Edg	je,0-4-0], [12:0-3	3-12,0-4-8]							
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.	76	Vert(LL)	0.14	12-13	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.	92	Vert(CT)	-0.22	12-13	>999	180	ASSAULTER.	
BCLL	0.0	Rep Stress Incr	NO	WB 0.	74	Horz(CT)	0.05	10	n/a	n/a		
BCDL	10.0	Code FBC2023/T	PI2014	Matrix-M	S						Weight: 162 lb	FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

WEBS

LUMBER-

REACTIONS.

TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP No.2

2x4 SP No.3 WEBS SLIDER Left 2x6 SP No.2 1-11-8

(size) 10=Mechanical, 2=0-8-0

Max Horz 2=161(LC 29)

Max Uplift 10=-779(LC 5), 2=-691(LC 8) Max Grav 10=1808(LC 1), 2=1708(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

2-4=-2208/922, 4-5=-2591/1120, 5-6=-2873/1246, 6-8=-2867/1243 TOP CHORD

**BOT CHORD** 2-14=-883/1885, 13-14=-883/1885, 12-13=-1043/2323, 11-12=-924/2136,

10-11=-924/2136 **WEBS** 

4-14=-423/210, 4-13=-302/574, 5-13=-181/545, 5-12=-326/720, 6-12=-417/241,

8-12=-431/892, 8-11=-168/631, 8-10=-2556/1104

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

Provide adequate drainage to prevent water ponding.

- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

Refer to girder(s) for truss to truss connections

- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 10=779, 2=691.
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 47 lb down and 49 lb up at 7-0-0, 28 lb down and 49 lb up at 9-0-12, 28 lb down and 49 lb up at 11-0-12, 28 lb down and 49 lb up at 13-0-12, 28 lb down and 47 lb up at 15-0-12, 28 lb down and 49 lb up at 17-0-12, 28 lb down and 49 lb up at 19-0-12, and 28 lb down and 49 lb up at 21-0-12, and 28 lb down and 49 lb up at 23-0-12 on top chord, and 341 lb down and 215 lb up at 7-0-0, 128 lb down and 80 lb up at 9-0-12, 128 lb down and 80 lb up at 11-0-12, 128 lb down and 80 lb up at 13-0-12, 128 lb down and 80 lb up at 15-0-12, 128 lb down and 80 lb up at 17-0-12, 128 lb down and 80 lb up at 19-0-12, and 128 lb down and 80 lb up at 21-0-12, and 128 lb down and 80 lb up at 23-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

10) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 2-8-3 oc purlins,

8-10

Rigid ceiling directly applied or 7-2-6 oc bracing.

except end verticals.

1 Row at midpt

Philip J. O'Regan PE No.58126 MiTek Inc. DBA MiTek USA - FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

May 9,2024

### LOAD CASE(S) Standard

### 🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MTak® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	AGUDELO RES.	
3981321	T01	Half Hip Girder	1	1		T33807364
Builders FirstSource (Lake Ci	ty,FL), Lake City, FL - 3	2055,			Job Reference (optional) 25 2024 MiTek Industries, Inc. Wed May 8 13:08:02 2 x1xpFJzu90w-b9ijvDq3RpTRDzsaD6wTTGzOU4selt6?	

LOAD CASE(S) Standard

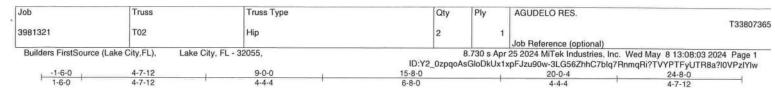
1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-5=-54, 5-9=-54, 10-15=-20

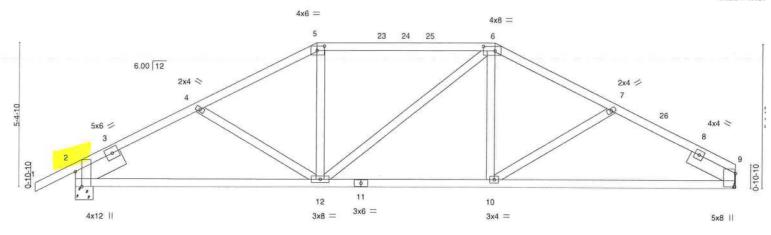
Concentrated Loads (lb)

Vert: 5=-28(F) 7=-28(F) 13=-341(F) 12=-128(F) 6=-28(F) 21=-28(F) 22=-28(F) 23=-28(F) 25=-28(F) 26=-28(F) 27=-28(F) 28=-128(F) 29=-128(F) 30=-128(F) 31=-128(F) 32=-128(F) 33=-128(F) 34=-128(F)





Scale = 1:43.



	9-0-0 9-0-0				15-8-0				24-8-0				
Plate Of	fsets (X,Y)	[2:0-6-12,Edge], [5:0-3-4	6-8-0					9-0-0					
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP	
TCLL	20.0	Plate Grip DOL	1.25	TC	0.81	Vert(LL)	-0.11	10-15	>999	240	MT20	244/190	
TCDL	7.0	Lumber DOL	1.25	BC	0.72	Vert(CT)	-0.22	10-15	>999	180	0 10,000,000,0		
BCLL	0.0	Rep Stress Incr	YES	WB	0.16	Horz(CT)	0.05	9	n/a	n/a			
BCDL	10.0	Code FBC2023/T	PI2014	Matri	k-MS						Weight: 131 lb	FT = 20%	

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2

BOT CHORD 2x4 SP No.2 **WEBS** 2x4 SP No.3

SLIDER Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x6 SP No.2 1-11-8

REACTIONS.

(size) 9=Mechanical, 2=0-8-0

Max Horz 2=100(LC 12) Max Uplift 9=-236(LC 13), 2=-280(LC 12)

Max Grav 9=897(LC 1), 2=1010(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-4=-1255/354, 4-5=-1151/307, 5-6=-1010/313, 6-7=-1183/321, 7-9=-1338/383

**BOT CHORD** 2-12=-317/1037, 10-12=-159/1034, 9-10=-277/1141

WEBS 5-12=-19/283, 6-10=-31/315

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 9-0-0, Zone2 9-0-0 to 13-2-15, Zone1 13-2-15 to 15-8-0, Zone2 15-8-0 to 20-2-1, Zone1 20-2-1 to 24-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

4) Provide adequate drainage to prevent water ponding.

- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.

7) Refer to girder(s) for truss to truss connections.

8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=236, 2=280.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 2-7-0 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

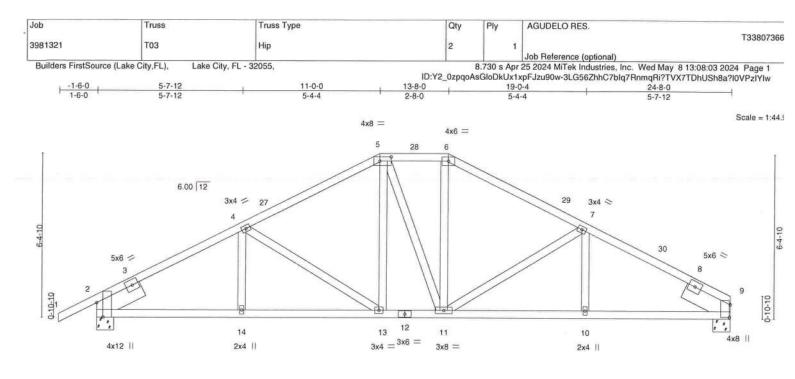
Philip J. O'Regan PE No.58126 MITek Inc. DBA MITek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

May 9,2024

🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)





	1	5-7-12	T.	11-0-0	, 13-8-0 ,	19-	0-4	197	24-8-0	20
		5-7-12		5-4-4	2-8-0	5-4	1-4		5-7-12	
Plate Off	fsets (X,Y)	[2:0-6-12,Edge], [5:0-5-4	,0-2-0], [9:0-6-0	0,0-0-6]						
LOADIN	G (psf)	SPACING-	2-0-0	CSI.	DEFL.	in (loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC 0.8	3 Vert(LL)	-0.10 13-14	>999	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC 0.8	6 Vert(CT)	-0.20 13-14	>999	180	100000000	WITH WATER TO THE
BCLL	0.0	Rep Stress Incr	YES	WB 0.2	1 Horz(CT)	0.06 9	n/a	n/a		
BCDL	10.0	Code FBC2023/T	PI2014	Matrix-MS					Weight: 146 lb	FT = 20%

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2

**BOT CHORD** 2x4 SP No.2

WEBS 2x4 SP No.3

SLIDER Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x8 SP 2400F 2.0E 1-11-8

REACTIONS.

(size) 9=0-8-0, 2=0-8-0

Max Horz 2=117(LC 16) Max Uplift 9=-235(LC 13), 2=-274(LC 12)

Max Grav 9=909(LC 1), 2=997(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD 2-4=-1255/325, 4-5=-1024/280, 5-6=-879/292, 6-7=-1026/282, 7-9=-1273/335

BOT CHORD 2-14=-309/1048, 13-14=-309/1048, 11-13=-170/877, 10-11=-227/1069, 9-10=-227/1069

WEBS 6-11=-68/252, 7-11=-263/175

### NOTES.

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 11-0-0, Zone3 11-0-0 to 13-8-0, Zone2 13-8-0 to 17-10-15, Zone1 17-10-15 to 24-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

4) Provide adequate drainage to prevent water ponding.

- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 9=235, 2=274.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No. S\$126 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chosterfield, MO 63017

Structural wood sheathing directly applied or 2-2-10 oc purlins.

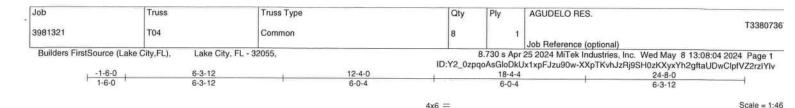
Rigid ceiling directly applied or 10-0-0 oc bracing.

May 9,2024

🔬 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)





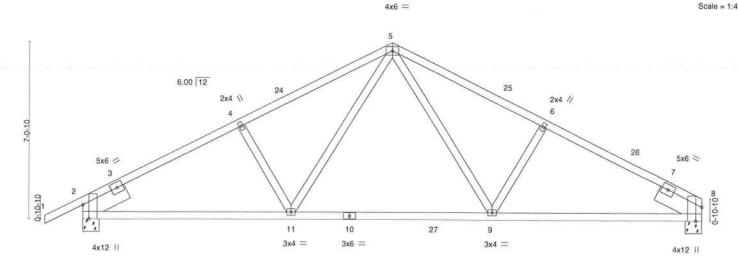


Plate Offse	ets (X,Y)		-13 2,Edge]		8-0-5			_	8-3-13			
LOADING TCLL TCDL BCLL	(psf) 20.0 7.0 0.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI. TC BC WB	0.97 0.83 0.19	DEFL. Vert(LL) Vert(CT) Horz(CT)	in -0.27 -0.44 0.07	(loc) 9-11 9-11 8	l/defl >999 >678 n/a	L/d 240 180 n/a	PLATES MT20	<b>GRIP</b> 244/190
BCDL	10.0	Code FBC2023/T	PI2014	Matri	x-MS						Weight: 127 lb	FT = 20%

16-4-3

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 2x4 SP No.2

**BOT CHORD** WERS 2x4 SP No.3

SLIDER Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x8 SP 2400F 2.0E 1-11-8

REACTIONS.

(size) 8=0-8-0, 2=0-8-0 Max Horz 2=128(LC 16)

Max Uplift 8=-232(LC 13), 2=-271(LC 12)

Max Grav 8=996(LC 2), 2=1068(LC 2)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

8-3-13

TOP CHORD 2-4=-1384/333, 4-5=-1272/346, 5-6=-1282/353, 6-8=-1395/340 **BOT CHORD** 2-11=-321/1167, 9-11=-143/867, 8-9=-226/1180

WEBS 5-9=-157/504, 5-11=-150/489

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 12-4-0, Zone2 12-4-0 to 16-6-15, Zone1 16-6-15 to 24-8-0 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members, with BCDL = 10.0psf.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 8=232, 2=271.

This item has been digitally signed and sealed by ORegan, Philip, Pl on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

24-8-0

Structural wood sheathing directly applied.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Philip J. O'Regan PE No. S\$126 MiTek Inc. DBA MiTek USA FL Cert 6634 16033 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

May 9,2024

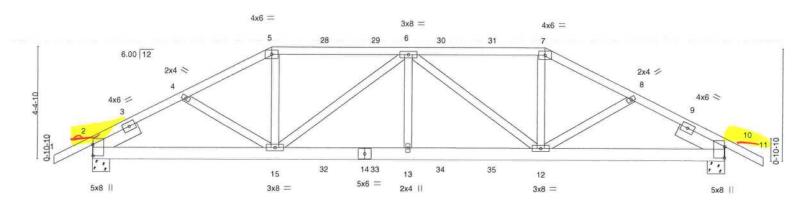
🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the labrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



	JDELO RES.	Ply /	Qty		Truss Type	Truss	
T3380736		1	1		Hip Girder	T05	1321
	Reference (optional)	J					
Ved May 8 13:08:05 2024 Page 1					Lake City, FL - 32055,	City,FL),	ilders FirstSource (Lake
uFTA4ubxZHvRyDHR2JE7alzIYlu	Jzu90w-0kNsXFixkkr04Rb	AsGloDkUx1x	ID:Y2_0zpqo/				
24-8-0 , 26-2-0 ,	21-0-4	-0	17-8	12-4-0	7-0-0	7-12	
3-7-12 1-6-0	3-4-4	0	5-4-	5-4-0	3-4-4	7-12	1-6-0 3-7

Scale = 1:45



L.	7-0-0		12-4-0	17-8-0	6	24-8-0
	7-0-0		5-4-0	5-4-0		7-0-0
Plate Offsets (X,Y)-	[2:0-5-4,0-0-3], [10:0-5-4	,0-0-3]				111-
LOADING (psf)	SPACING-	2-0-0	CSI.	DEFL. in (loc)	l/defl L/d	PLATES GRIP
TCLL 20.0	Plate Grip DOL	1.25	TC 0.58	Vert(LL) 0.15 13-15	>999 240	MT20 244/190
TCDL 7.0	Lumber DOL	1.25	BC 0.85	Vert(CT) -0.25 12-13	>999 180	0.000 table 0.000
BCLL 0.0 *	Rep Stress Incr	NO	WB 0.78	Horz(CT) 0.08 10	n/a n/a	
BCDL 10.0	Code FBC2023/7	PI2014	Matrix-MS	. Districted € 2005.000 1000.		Weight: 157 lb FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP 2850F 2.0E or 2x4 SP M 31 \*Except\*

5-7: 2x4 SP No.2

BOT CHORD 2x6 SP No.2 WERS 2x4 SP No.3

SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

REACTIONS. (size) 2=0-8-0, 10=0-8-0

Max Horz 2=-71(LC 9) Max Uplift 2=-768(LC 8), 10=-775(LC 9) Max Grav 2=1873(LC 1), 10=1886(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-4=-2691/1157, 4-5=-2818/1219, 5-6=-2549/1146, 6-7=-2567/1155, 7-8=-2841/1232,

8-10=-2712/1169

**BOT CHORD** 2-15=-965/2231, 13-15=-1361/3289, 12-13=-1361/3289, 10-12=-904/2249 WEBS

4-15=-230/429, 5-15=-380/911, 6-15=-979/460, 6-13=-287/739, 6-12=-944/420,

7-12=-330/855, 8-12=-241/439

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 3) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

4) Provide adequate drainage to prevent water ponding.

- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=768, 10=775,
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 42 lb down and 45 lb up at 7-0-0, 28 lb down and 45 lb up at 9-0-12, 28 lb down and 45 lb up at 11-0-12, 28 lb down and 43 lb up at 12-4-0, 28 lb down and 45 lb up at 13-7-4, and 28 lb down and 45 lb up at 15-7-4, and 136 lb down and 143 lb up at 17-8-0 on top chord, and 405 lb down and 245 lb up at 7-0-0, 154 lb down and 90 lb up at 9-0-12, 154 lb down and 90 lb up at 11-0-12, 154 lb down and 90 lb up at 12-4-0, 154 lb down and 90 lb up at 13-7-4, and 154 lb down and 90 lb up at 15-7-4, and 367 lb down and 225 lb up at 17-7-4 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

This item has been digitally signed and sealed by ORegan, Philip, PI on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 3-4-0 oc purlins.

Rigid ceiling directly applied or 6-2-10 oc bracing.

Philip J. O'Regan PE No.58126 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chestorfield, MO 63017 Date:

May 9,2024

🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guildance regarding the labrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	AGUDELO RES.	
3981321	T05	Hip Girder	1		1	T3380736
		Comment of the second second			Job Reference (optional)	
Builders FirstSour	rce (Lake City,FL), Lake	e City, FL - 32055,		8.730 s Ap	or 25 2024 MiTek Industries, Inc. Wed May 8 13:08:	05 2024 Page 2

ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-0kNsXFixkkr04Rb9uFTA4ubxZHvRyDHR2JE7alzlYlu

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

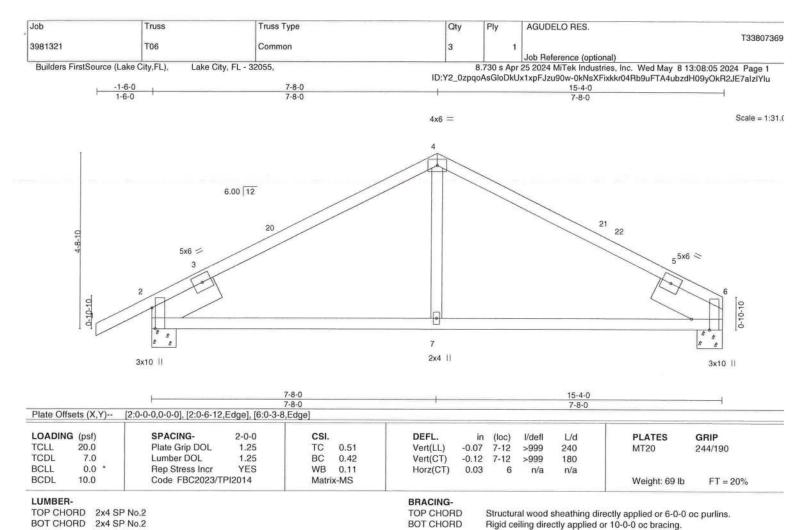
Uniform Loads (plf)

Vert: 1-5=-54, 5-7=-54, 7-11=-54, 16-22=-20

Concentrated Loads (lb)

Vert: 5=-23(B) 7=-89(B) 15=-405(B) 13=-154(B) 6=-23(B) 12=-367(B) 28=-23(B) 29=-23(B) 30=-23(B) 31=-23(B) 32=-154(B) 33=-154(B) 34=-154(B) 35=-154(B)





REACTIONS.

WERS

SLIDER

(size) 6=0-8-0, 2=0-8-0

Max Horz 2=89(LC 16)

Max Uplift 6=-144(LC 13), 2=-184(LC 12) Max Grav 6=561(LC 1), 2=654(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x8 SP 2400F 2.0E 1-11-8

TOP CHORD 2-4=-627/214, 4-6=-624/224 BOT CHORD 2-7=-98/491, 6-7=-98/491

2x4 SP No.3

WEBS 4-7=0/288

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 7-8-0, Zone2 7-8-0 to 11-10-14, Zone1 11-10-14 to 15-4-0 zone; end vertical left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- 5) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=144, 2=184.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No.58126 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63917

May 9,2024



Design valid for use only with MTEk® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (vww.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss Type		Qty	Ply	AGUDELO RES.	
3981321	T06G	T06G Common Supported Gable 1 1		1		
					Job Reference (optional)	
Builders FirstSource	ce (Lake City,FL), Lake	City, FL - 32055,		8.730 s Apr	25 2024 MiTek Industries, Inc. Wed May 8 13:08	3:06 2024 Page 1
			ID:Y2_0zpq	oAsGloDkUx	1xpFJzu90w-UwxElbjZV2zthaAMSy_Pd67EPhRS	ShsCaHz_g6kzIYIt
1	-1-6-0	7-8-0			15-4-0	
	1-6-0 7-8-0				7-8-0	

Scale = 1:30.

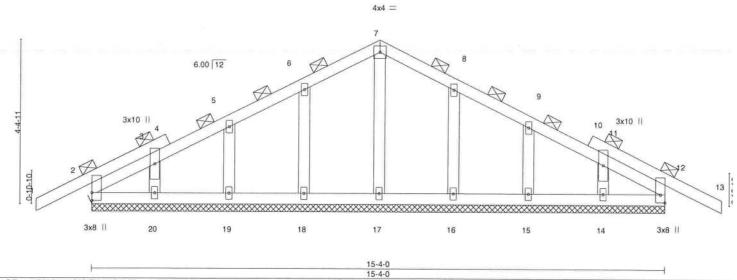


Plate Of	fsets (X,Y)	[12:Edge,0-1-7]										
LOADIN	G (psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.13	Vert(LL)	-0.01	13	n/r	120	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.03	Vert(CT)	-0.01	13	n/r	120		
BCLL	0.0	Rep Stress Incr	YES	WB	0.03	Horz(CT)	0.00	12	n/a	n/a		
BCDL	10.0	Code FBC2023/T	PI2014	Matri	x-S		313.51	200	0.00		Weight: 83 lb	FT = 20%

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2

**OTHERS** 

2x4 SP No.3

BRACING-

TOP CHORD **BOT CHORD**  2-0-0 oc purlins (6-0-0 max.).

Rigid ceiling directly applied or 10-0-0 oc bracing.

REACTIONS.

All bearings 15-4-0.

Max Horz 2=71(LC 12) (lb) -

Max Uplift All uplift 100 lb or less at joint(s) 2, 12, 18, 19, 20, 16, 15, 14 Max Grav All reactions 250 lb or less at joint(s) 2, 12, 17, 18, 19, 20, 16, 15, 14

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

### NOTES-

- 1) Unbalanced roof live loads have been considered for this design.
- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 zone; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.
- 4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable requires continuous bottom chord bearing.
- 7) Gable studs spaced at 2-0-0 oc.
- 8) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- 9) \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 10) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) 2, 12, 18, 19, 20, 16, 15, 14.
- 11) Graphical purlin representation does not depict the size or the orientation of the purlin along the top and/or bottom chord.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regau PE No.58126 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

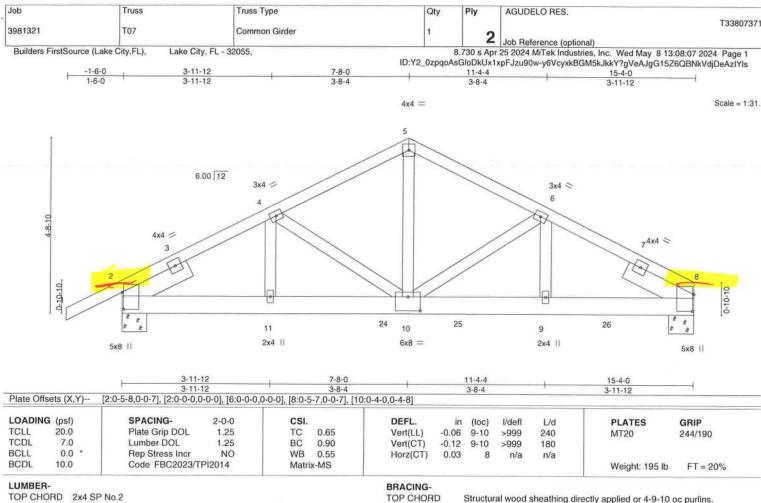
May 9,2024



🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)





**BOT CHORD** 

Rigid ceiling directly applied or 10-0-0 oc bracing.

TOP CHORD 2x4 SP No.2 BOT CHORD 2x6 SP No 2

2x4 SP No.3 WEBS

SLIDER Left 2x6 SP No.2 1-11-8, Right 2x6 SP No.2 1-11-8

REACTIONS.

(size) 8=0-8-0, 2=0-8-0

Max Horz 2=89(LC 12)

Max Uplift 8=-1037(LC 9), 2=-799(LC 8) Max Grav 8=3343(LC 1), 2=2315(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown. TOP CHORD

2-4=-3231/1132, 4-5=-3616/1279, 5-6=-3614/1276, 6-8=-4434/1411 BOT CHORD 2-11=-993/2771, 10-11=-993/2771, 9-10=-1178/3838, 8-9=-1178/3838

WEBS 4-11=-403/152, 4-10=-276/641, 5-10=-1013/2877, 6-10=-771/190, 6-9=-171/912

### NOTES-

1) 2-ply truss to be connected together with 10d (0.131"x3") nails as follows:

Top chords connected as follows: 2x4 - 1 row at 0-9-0 oc.

Bottom chords connected as follows: 2x6 - 2 rows staggered at 0-6-0 oc.

Webs connected as follows: 2x4 - 1 row at 0-9-0 oc.

2) All loads are considered equally applied to all plies, except if noted as front (F) or back (B) face in the LOAD CASE(S) section. Ply to ply connections have been provided to distribute only loads noted as (F) or (B), unless otherwise indicated.

3) Unbalanced roof live loads have been considered for this design.

- 4) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; Lumber DOL=1.60 plate grip DOL=1.60
- 5) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component,

6) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 8) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb)
- 9) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 1788 lb down and 799 lb up at 7-0-12, 877 lb down and 256 lb up at 9-0-12, and 889 lb down and 255 lb up at 11-0-12, and 976 lb down and 252 lb up at 13-0-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.

LOAD CASE(S) Standard

1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Philip J. O'Regan PE No.58126 MITek Inc. DBA MTEk USA FL Cert 6624 16023 Swingley Ridge Rd. Chestarfield, MO 63017 Date:

May 9,2024

🛦 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	AGUDELO RES.	
3981321	T07	Common Girder	1			T3380737
Builders EiretSour		Ch. El 2005		2	Job Reference (optional)	

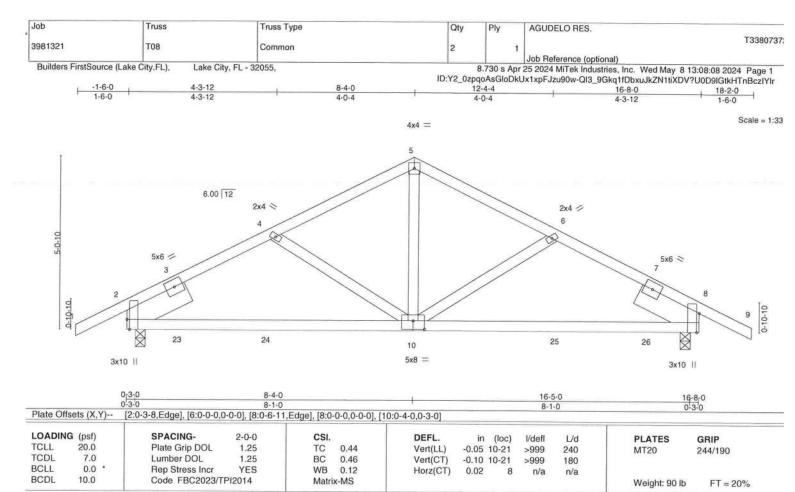
8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:08:08 2024 Page 2 ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-QI3\_9Gkq1fDbxuJkZN1tiXDRnUvL9edtkHTnBczIYIr

LOAD CASE(S) Standard Uniform Loads (plf)
Vert: 1-5=-54, 5-8=-54, 12-18=-20
Concentrated Loads (lb)
Vert: 9=-889(B) 24=-1788(B) 25=-877(B) 26=-889(B)



16023 Swingley Ridge Rd. Chesterfield, MO 63017 314.434.1200 / MiTek-US.com

🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.



**BRACING-**

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 BOT CHORD 2x4 SP No.2 WEBS 2x4 SP No.3

SLIDER Left 2x8 SP 2400F 2.0E 1-11-8, Right 2x8 SP 2400F 2.0E 1-11-8

REACTIONS.

(size) 2=0-3-8, 8=0-3-8

Max Horz 2=-82(LC 13)

Max Uplift 2=-211(LC 9), 8=-211(LC 8) Max Grav 2=698(LC 1), 8=698(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-4=-713/417, 4-5=-587/386, 5-6=-587/386, 6-8=-714/417 2-10=-275/580, 8-10=-296/580

BOT CHORD WEBS

5-10=-211/324

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 8-4-0, Zone2 8-4-0 to 12-6-0, Zone1 12-6-0 to 18-2-0 zone; cantilever left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.

4) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.

- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 6) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=211, 8=211.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 5-10-15 oc purlins.

Rigid ceiling directly applied or 10-0-0 oc bracing.

Philip J. O'Regan PE No.58126 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017

May 9,2024

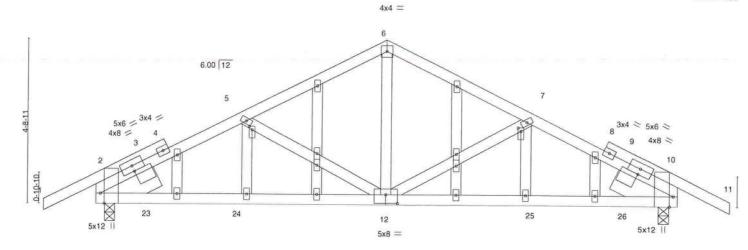
և WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANS/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job Truss Truss Type AGUDELO RES. Qty Ply T3380737 3981321 T08G GABLE 1 Job Reference (optional) Builders FirstSource (Lake City,FL), Lake City, FL - 32055 8.730 s Apr 25 2024 MiTek Industries, Inc. Wed May 8 13:08:09 2024 Page 1 ID:Y2\_0zpqoAsGloDkUx1xpFJzu90w-uVdMNclSozLSY2uw75Y6FklicuMpuBK1zxCKj3zIYIq
12-4-4 16-8-0 18-2-0 -1-6-0 18-2-0 4-0-4

Scale = 1:33



		0 <sub>7</sub> 3-0 0-3-0		4-0						16-5-0 8-1-0		16-8-0 0-3-0	
Plate Offse	ets (X,Y)	[2:1-2-1,0-1-8], [2:0-3-8,Edge], [5:0-1-3,0-1-0], [7:0-0-0,0-0-0], [7:0-1-3,0-1-0], [20:0-0-0,0-0-0]						], [10:0-3-8,Edge], [10:1-2-0,0-1-9], [12:0-4-0,0-3-0], [20:0-0-0,0-0-0					
LOADING TCLL TCDL BCLL	(psf) 20.0 7.0 0.0	SPACING- Plate Grip DOL Lumber DOL Rep Stress Incr	2-0-0 1.25 1.25 YES	CSI. TC BC WB	0.26 0.50 0.13	DEFL. Vert(LL) Vert(CT) Horz(CT)	-0.05	(loc) 10-12 10-12	l/defl >999 >999 n/a	L/d 240 180	PLATES MT20	<b>GRIP</b> 244/190	
BCDL	10.0	Code FBC2023/T	**************************************	Matri		11012(01)	0.01	10	iva	n/a	Weight: 113 lb	FT = 20%	

BRACING-

TOP CHORD

**BOT CHORD** 

LUMBER-

TOP CHORD 2x4 SP No.2 **BOT CHORD** 2x4 SP No.2 WEBS 2x4 SP No.3 OTHERS 2x4 SP No.3

SLIDER Left 2x8 SP 2400F 2.0E 1-8-7, Right 2x8 SP 2400F 2.0E 1-8-7

REACTIONS.

(size) 2=0-3-8, 10=0-3-8 Max Horz 2=77(LC 16)

0-3-0

Max Uplift 2=-203(LC 9), 10=-203(LC 8) Max Grav 2=685(LC 1), 10=685(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-5=-802/458, 5-6=-614/389, 6-7=-614/390, 7-10=-801/457

BOT CHORD 2-12=-349/683, 10-12=-362/683

**WEBS** 6-12=-228/354

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone and C-C Zone3 -1-6-0 to 1-6-0, Zone1 1-6-0 to 8-4-0, Zone2 8-4-0 to 12-6-2, Zone1 12-6-2 to 18-2-0 zone; cantilever left and right exposed; end vertical left and right exposed; porch left and right exposed; C-C for members and forces & MWFRS for reactions shown; Lumber DOL=1.60 plate grip DOL=1.60

- 3) Truss designed for wind loads in the plane of the truss only. For studs exposed to wind (normal to the face), see Standard Industry Gable End Details as applicable, or consult qualified building designer as per ANSI/TPI 1.

  4) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific
- to the use of this truss component.
- 5) All plates are 2x4 MT20 unless otherwise indicated.
- 6) Gable studs spaced at 2-0-0 oc.
- 7) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 9) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 2=203, 10=203.

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 6-0-0 oc purlins.

Rigid ceiling directly applied or 9-7-12 oc bracing.

Philip J. O'Regan PE No.58126 MiTek Inc. DBA MiTek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

May 9,2024

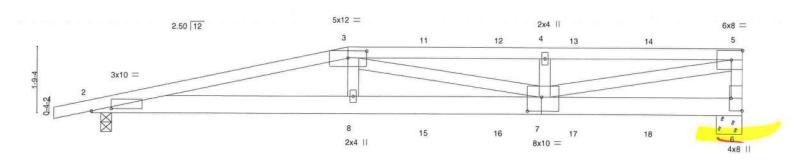
🔬 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE.

Design valid for use only with MTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and property damage. For general guidance regarding the fabrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TPI1 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job Truss		Truss Type	Qty	Ply	AGUDELO RES.	
3981321	81321 T09 Half Hip Gir.		1	1	T338073	
	12508	12 - 12 - 12 - 12 - 12 - 12 - 12 - 12 -			Job Reference (optional)	
Builders FirstSour	ce (Lake City,FL), Lake	City, FL - 32055,			r 25 2024 MiTek Industries, Inc. Wed May 8 13:08:10 2024 Page 1 1xpFJzu90w-MhBkaym4YHTJACT7ho3LnyljGljRdRLABbyuFVzIYIp	
-1-0-0	6	-10-0	12-1-0		17-4-0	
1-0-0	1-0-0 6-10-0				5-3-0	

Scale = 1:30.



0 <sub>7</sub> 3-p 6-10-0			-1	12-1-0					17-4-0			
Control of the contro	0-3-0 6-7-0				5-3-0					5-3-0		
Plate Offse	Plate Offsets (X,Y) [2:0-6-6,0-0-12], [3:0-6-0,0-2-4], [6:Edge,0-3-8], [7:0-4-8											
LOADING	(psf)	SPACING-	2-0-0	CSI.		DEFL.	in	(loc)	l/defl	L/d	PLATES	GRIP
TCLL	20.0	Plate Grip DOL	1.25	TC	0.90	Vert(LL)	0.33	7-8	>631	240	MT20	244/190
TCDL	7.0	Lumber DOL	1.25	BC	0.41	Vert(CT)	-0.41	7-8	>499	180		
BCLL	0.0	Rep Stress Incr	NO	WB	0.98	Horz(CT)	0.04	6	n/a	n/a		
BCDL	10.0	Code FBC2023/T	PI2014	Matri	x-MS	1					Weight: 87 lb	FT = 20%

BRACING-

TOP CHORD

BOT CHORD

LUMBER-

TOP CHORD 2x4 SP No.2 \*Except\*

3-5: 2x4 SP No.1

BOT CHORD 2x6 SP M 26 \*Except\*

6-7: 2x6 SP No.2

WEBS 2x4 SP No.3 \*Except\*

3-7,5-7: 2x4 SP No.2

REACTIONS. (size) 6=0-8-0, 2=0-3-8

Max Horz 2=66(LC 4) Max Uplift 6=-767(LC 4), 2=-697(LC 4) Max Grav 6=1290(LC 1), 2=1167(LC 1)

FORCES. (lb) - Max. Comp./Max. Ten. - All forces 250 (lb) or less except when shown.

TOP CHORD 2-3=-4275/2521, 3-4=-3623/2159, 4-5=-3658/2180, 5-6=-1124/667

**BOT CHORD** 2-8=-2485/4167, 7-8=-2521/4227

WEBS 3-8=-351/618, 3-7=-626/375, 4-7=-591/344, 5-7=-2133/3579

### NOTES-

1) Unbalanced roof live loads have been considered for this design.

- 2) Wind: ASCE 7-22; Vult=130mph (3-second gust) Vasd=101mph; TCDL=4.2psf; BCDL=3.0psf; h=20ft; Cat. II; Exp B; Encl., GCpi=0.18; MWFRS (envelope) gable end zone; cantilever left exposed; porch left and right exposed; Lumber DOL=1.60 plate grip DOL=1.60
- 3) Building Designer / Project engineer responsible for verifying applied roof live load shown covers rain loading requirements specific to the use of this truss component.
- Provide adequate drainage to prevent water ponding.
- 5) This truss has been designed for a 10.0 psf bottom chord live load nonconcurrent with any other live loads.
- \* This truss has been designed for a live load of 20.0psf on the bottom chord in all areas where a rectangle 3-6-0 tall by 2-0-0 wide will fit between the bottom chord and any other members.
- 7) Provide mechanical connection (by others) of truss to bearing plate capable of withstanding 100 lb uplift at joint(s) except (jt=lb) 6=767, 2=697.
- 8) Hanger(s) or other connection device(s) shall be provided sufficient to support concentrated load(s) 124 lb down and 98 lb up at 6-10-0, 105 lb down and 98 lb up at 8-10-12, 105 lb down and 98 lb up at 10-10-12, and 105 lb down and 97 lb up at 12-10-12, and 105 lb down and 98 lb up at 14-10-12 on top chord, and 336 lb down and 279 lb up at 6-10-0, 79 lb down and 74 lb up at 8-10-12, 79 lb down and 74 lb up at 10-10-12, and 79 lb down and 74 lb up at 12-10-12, and 79 lb down and 74 lb up at 14-10-12 on bottom chord. The design/selection of such connection device(s) is the responsibility of others.
- 9) In the LOAD CASE(S) section, loads applied to the face of the truss are noted as front (F) or back (B).

LOAD CASE(S) Standard

This item has been digitally signed and sealed by ORegan, Philip, PE on the date indicated here. Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

Structural wood sheathing directly applied or 2-1-14 oc purlins,

Rigid ceiling directly applied or 6-2-8 oc bracing.

except end verticals

Philip J. O'Regan PE No.58126 MITek Inc. DBA MITek USA FL Cert 6634 16023 Swingley Ridge Rd. Chesterfield, MO 63017 Date:

May 9,2024

🗥 WARNING - Verify design parameters and READ NOTES ON THIS AND INCLUDED MITEK REFERENCE PAGE MII-7473 rev. 1/2/2023 BEFORE USE

Design valid for use only with MiTek® connectors. This design is based only upon parameters shown, and is for an individual building component, not a truss system. Before use, the building designer must verify the applicability of design parameters and properly incorporate this design into the overall building design. Bracing indicated is to prevent buckling of individual truss web and/or chord members only. Additional temporary and permanent bracing is always required for stability and to prevent collapse with possible personal injury and properly damage. For general guidance regarding the labrication, storage, delivery, erection and bracing of trusses and truss systems, see ANSI/TP11 Quality Criteria and DSB-22 available from Truss Plate Institute (www.tpinst.org) and BCSI Building Component Safety Information available from the Structural Building Component Association (www.sbcscomponents.com)



Job	Truss	Truss Type	Qty	Ply	AGUDELO RES.	
3981321	T09	Half Hip Girder	1	1		T33807374
Builders FirstSource	(Lake City,FL), Lake	City, FL - 32055,	ID:Y2 Ozpao	8.730 s Ap	Job Reference (optional) 25 2024 MiTek Industries, Inc. Wed May 8 13:08:10 20 1xpFJzu90w-MhBkaym4YHTJACT7ho3LnyljGljRdRLABI	24 Page 2

LOAD CASE(S) Standard 1) Dead + Roof Live (balanced): Lumber Increase=1.25, Plate Increase=1.25 Uniform Loads (plf)

Vert: 1-3=-54, 3-5=-54, 2-6=-20

Concentrated Loads (lb)

Vert: 3=-105(B) 8=-336(B) 11=-105(B) 12=-105(B) 13=-105(B) 14=-105(B) 15=-68(B) 16=-68(B) 17=-68(B) 18=-68(B)

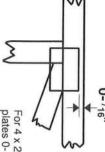


### Symbols

## PLATE LOCATION AND ORIENTATION



Center plate on joint unless x, y offsets are indicated and fully embed teeth Apply plates to both sides of truss Dimensions are in ft-in-sixteenths



edge of truss. For 4 x 2 orientation, locate plates 0- "146" from outside

required direction of slots in connector plates. This symbol indicates the

\*Plate location details available in MiTek software or upon request.

### PLATE SIZE



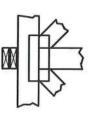
the length parallel to slots. to slots. Second dimension is width measured perpendicular The first dimension is the plate

## LATERAL BRACING LOCATION



if indicated. by text in the bracing section of the output. Use T or I bracing Indicated by symbol shown and/or

### BEARING



Min size shown is for crushing only number/letter where bearings occur reaction section indicates joint (supports) occur. Icons vary but

## Industry Standards:

National Design Specification for Metal Building Component Safety Information, Guide to Good Practice for Handling Plate Connected Wood Truss Construction Design Standard for Bracing.

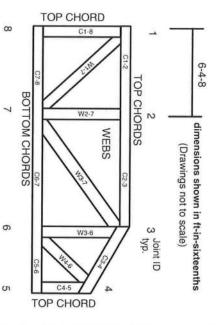
DSB-22 ANSI/TPI1:

Indicates location where bearings

Installing, Restraining & Bracing of Metal

Plate Connected Wood Trusses

## Numbering System



JOINTS ARE GENERALLY NUMBERED/LETTERED CLOCKWISE AROUND THE TRUSS STARTING AT THE JOINT FARTHEST TO

CHORDS AND WEBS ARE IDENTIFIED BY END JOINT NUMBERS/LETTERS.

# Product Code Approvals

ICC-ES Reports:

ESR-1988, ESR-2362, ESR-2685, ESR-3282 ESR-4722, ESL-1388

# Design General Notes

Trusses are designed for wind loads in the plane of the truss unless otherwise shown.

section 6.3 These truss designs rely on lumber values established by others. Lumber design values are in accordance with ANSI/TPI 1

© 2023 MiTek® All Rights Reserved

## Milek

MiTek Engineering Reference Sheet: MII-7473 rev. 1/2/2023

# **General Safety Notes**

## Damage or Personal Injury Failure to Follow Could Cause Property

- Additional stability bracing for truss system, e.g. diagonal or X-bracing, is always required. See BCSI.
- Truss bracing must be designed by an engineer. For wide truss spacing, individual lateral braces themselves bracing should be considered. may require bracing, or alternative Tor I
- Never exceed the design loading shown and never stack materials on inadequately braced trusses.
- all other interested parties. designer, erection supervisor, property owner and Provide copies of this truss design to the building
- Cut members to bear tightly against each other
- Place plates on each face of truss at each joint and embed fully. Knots and wane at joint locations are regulated by ANSI/TPI 1.
- Design assumes trusses will be suitably protected from the environment in accord with ANSI/TPI 1.
- Unless otherwise noted, moisture content of lumber shall not exceed 19% at time of fabrication.
- Unless expressly noted, this design is not applicable for use with fire retardant, preservative treated, or green lumber.
- Camber is a non-structural consideration and is the responsibility of truss fabricator. General practice is to camber for dead load deflection.
- Plate type, size, orientation and location dimensions indicated are minimum plating requirements
- Lumber used shall be of the species and size, and in all respects, equal to or better than that specified.
- Top chords must be sheathed or purlins provided at spacing indicated on design.
- Bottom chords require lateral bracing at 10 ft. spacing, or less, if no ceiling is installed, unless otherwise noted
- Connections not shown are the responsibility of others
- Do not cut or alter truss member or plate without prior approval of an engineer
- Install and load vertically unless indicated otherwise.
- Use of green or treated lumber may pose unacceptable environmental, health or performance risks. Consult with project engineer before use.
- Review all portions of this design (front, back, words is not sufficient. and pictures) before use. Reviewing pictures alone
- Design assumes manufacture in accordance with ANSI/TPI 1 Quality Criteria.
- The design does not take into account any dynamic or other loads other than those expressly stated